

REMARKS

The office action of January 31, 2007, has been carefully considered.

It is noted that the application is objected to for not containing section headings.

The drawings are objected to for using the same reference numeral for different elements.

The specification is objected to under 35 U.S.C. 112, first paragraph.

Claims 1-8 are rejected under 35 U.S.C. 112, first and second paragraphs.

Claims 1-3 and 8 are rejected under 35 U.S.C. 103(a) over either the patent to Tsune et al., the patent to Kawa et al., or the patent to Shrum, and further in view of the patent to Arvedi et al.

Claims 4-7 are rejected under 35 U.S.C. 103(a) over Tsune et

al., Kawa et al., or Shrum, in view of Arvedi et al., and further in view of the patent to Striuli et al.

In connection with the Examiner's objection to the application, applicant has amended the specification to include section headings.

Relative to the drawings, applicant could not find any reference numbers that were used for different elements. If the Examiner points out which reference numerals he was concerned with applicant will be happy to make any necessary changes. However, since the Examiner did not indicate which numerals are a problem, applicant has not been able to provide replacement sheets of drawings at this time. In view of these considerations it is respectfully submitted that the objection to the drawings is overcome and should be withdrawn.

In connection with the objection to the specification under 35 U.S.C. 112, first paragraph, applicant has amended the paragraphs mentioned by the Examiner in an effort to more clearly recite the invention.

In view of these considerations it is respectfully submitted

that the objection to the specification and the rejection of claims 1-8 under 35 U.S.C.112, first paragraph are overcome and should be withdrawn.

In view of the Examiner's rejections of the claims, applicant has canceled claims 2 and 3, and amended claims 1, 4, 7 and 8.

It is respectfully submitted that the claims now on file particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicant has amended the claims to address the instances of indefiniteness pointed out by the Examiner. Relative to claim 7, the length of the recess is being further defined.

In view of these considerations it is respectfully submitted that the rejection of claims 1-8 under 35 U.S.C. 112, second paragraph is overcome and should be withdrawn.

It is respectfully submitted that the claims presently on file differ essentially and in an unobvious, highly advantageous manner from the constructions disclosed in the references.

Applicant has carefully reviewed each of the cited

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references. Applicant submits that the combinations argued by the Examiner do not teach a continuous casting mold having an inner geometrical cross-section form and associated dimensions that are designed analogous to a locally deducible quantity of a solidification heat for the continuous casting according to a temperature progression diagram along the mold height, as in the presently claimed invention. There is no teaching in the references of a mold having the above-mentioned features, together with the remaining features recited in the claim.

In view of these considerations it is respectfully submitted that the rejections of claims 1-8 under 35 U.S.C. 103(a) is overcome and should be withdrawn.

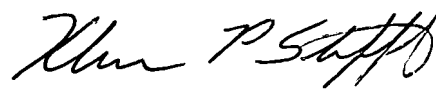
Reconsideration and allowance of the present application are respectfully requested.

Any additional fees or charges required at this time in connection with this application may be charged to Patent and Trademark Office Deposit Account No. 11-1835.

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Respectfully submitted,

By



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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450 Alexandria, VA 22313-1450, on July 31, 2007.

By:


Klaus P. Stoffel

Date: July 31, 2007